

**SECTION A. Table of Contents****Section A. Facility/Source Identification**

Table of Contents
Site Inventory List

Section B. General State Only Requirements

- #001 Definitions.
- #002 Operating Permit Duration.
- #003 Permit Renewal.
- #004 Operating Permit Fees under Subchapter I.
- #005 Transfer of Operating Permits.
- #006 Inspection and Entry.
- #007 Compliance Requirements.
- #008 Need to Halt or Reduce Activity Not a Defense.
- #009 Duty to Provide Information.
- #010 Revising an Operating Permit for Cause.
- #011 Operating Permit Modifications
- #012 Severability Clause.
- #013 De Minimis Emission Increases.
- #014 Operational Flexibility.
- #015 Reactivation
- #016 Health Risk-based Emission Standards and Operating Practice Requirements.
- #017 Circumvention.
- #018 Reporting Requirements.
- #019 Sampling, Testing and Monitoring Procedures.
- #020 Recordkeeping.
- #021 Property Rights.
- #022 Alternative Operating Scenarios.

Section C. Site Level State Only Requirements

- C-I: Restrictions
- C-II: Testing Requirements
- C-III: Monitoring Requirements
- C-IV: Recordkeeping Requirements
- C-V: Reporting Requirements
- C-VI: Work Practice Standards
- C-VII: Additional Requirements
- C-VIII: Compliance Certification
- C-IX: Compliance Schedule

Section D. Source Level State Only Requirements

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements
- D-VI: Work Practice Standards
- D-VII: Additional Requirements

Note: These same sub-sections are repeated for each source!

Section E. Alternative Operating Scenario(s)

- E-I: Restrictions
- E-II: Testing Requirements
- E-III: Monitoring Requirements



SECTION A. Table of Contents

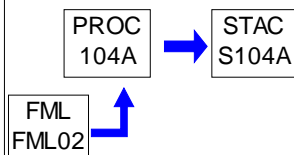
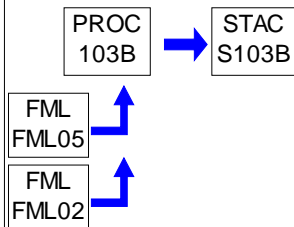
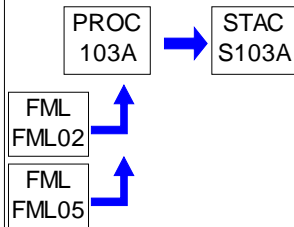
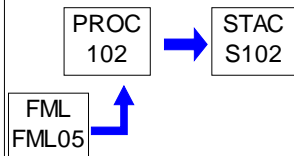
- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

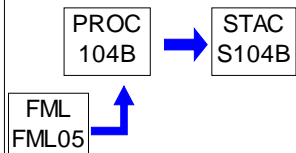
Section F. Emission Restriction Summary

Section G. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
102	EMERGENCY GENERATORS (RACT)	N/A	Natural Gas
103A	EMERGENCY GENERATORS (CATEGORY 4 EXEMPTION)	N/A	Natural Gas
		N/A	#2 Oil
103B	EMERGENCY GENERATORS (CATEGORY 6 EXEMPTION)	N/A	#2 Oil
		N/A	Natural Gas
104A	EMERGENCY GENERATORS (SUBPART IIII NSPS)	N/A	#2 Oil
104B	EMERGENCY GENERATORS (SUBPART JJJJ NSPS)	N/A	Natural Gas
FML02	#2 F.O.TANK		
FML05	NATURAL GAS PIPELINE		
S102	EMERGENCY GENERATORS STACKS		
S103A	EMERGENCY GENERATORS STACKS		
S103B	EMERGENCY GENERATORS STACKS		
S104A	EMERGENCY GENERATORS STACKS		
S104B	EMERGENCY GENERATOR STACKS		

PERMIT MAPS

PERMIT MAPS

**SECTION B. General State Only Requirements****#001 [25 Pa. Code § 121.1]****Definitions.**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]**Operating Permit Duration.**

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)&(c)]**Permit Renewal.**

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]**Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,

SECTION B. General State Only Requirements

modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]**Transfer of Operating Permits.**

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]**Inspection and Entry.**

(a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#007 [25 Pa. Code §§ 127.441 & 127.444]**Compliance Requirements.**

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes

**SECTION B. General State Only Requirements**

a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]**Need to Halt or Reduce Activity Not a Defense.**

It shall not be a defense for the permittee in an enforcement action that it was necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#009 [25 Pa. Code §§ 127.442(a) & 127.461]**Duty to Provide Information.**

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]**Revising an Operating Permit for Cause.**

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450 & 127.462]**Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

SECTION B. General State Only Requirements

significant operating permit modifications, under this permit, as outlined below:

(b) Administrative Amendments. The permittee shall make administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall make minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

#012 [25 Pa. Code § 127.441]**Severability Clause.**

The provisions of this permit are severable, and if any provision of this permit is determined by a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#013 [25 Pa. Code § 127.449]**De Minimis Emission Increases.**

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

(b) The Department may disapprove or condition de minimis emission increases at any time.

(c) Except as provided below in (d), the permittee is authorized to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

**SECTION B. General State Only Requirements**

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
 - (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
 - (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
 - (4) Space heaters which heat by direct heat transfer.
 - (5) Laboratory equipment used exclusively for chemical or physical analysis.
 - (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:
- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.
 - (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.
 - (3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.
- (g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.
- (h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#014 [25 Pa. Code § 127.3]**Operational Flexibility.**

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

#015 [25 Pa. Code § 127.11]**Reactivation**

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#016 [25 Pa. Code § 127.36]**Health Risk-based Emission Standards and Operating Practice Requirements.**

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]**Circumvention.**

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#018 [25 Pa. Code §§ 127.402(d) & 127.442]**Reporting Requirements.**

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given in the permit transmittal letter, or otherwise notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

**SECTION B. General State Only Requirements**

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]**Sampling, Testing and Monitoring Procedures.**

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

#020 [25 Pa. Code §§ 127.441(c) and 135.5]**Recordkeeping.**

(a) The permittee shall maintain and make available, upon request by the Department, the following records of monitored information:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of any required monitoring data and supporting information for at least five (5) years from the date of the monitoring, sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

#021 [25 Pa. Code § 127.441(a)]**Property Rights.**

This permit does not convey any property rights of any sort, or any exclusive privileges.

#022 [25 Pa. Code § 127.447]**Alternative Operating Scenarios.**

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

SECTION C. Site Level Requirements**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

002 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

No person may permit the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (g) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (h) Coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations).
- (i) Sources and classes of sources other than those identified in (a) -- (h) above, for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (1) the emissions are of minor significance with respect to causing air pollution; and
 - (2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.2]**Fugitive particulate matter**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a)(1)-(9) (relating to prohibition of certain fugitive emissions), if such emissions are visible at the point the emissions pass outside the person's property.

004 [25 Pa. Code §123.31]**Limitations**

A person may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

005 [25 Pa. Code §123.41]**Limitations**

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (a) Equal to or greater than 20% for a period or periods aggregating more than three (3) minutes in any one (1) hour.
- (b) Equal to or greater than 60% at any time.

SECTION C. Site Level Requirements**# 006 [25 Pa. Code §123.42]****Exceptions**

The opacity limitations as per 25 Pa. Code § 123.41 shall not apply to a visible emission in any of the following instances:

- (a) When the presence of uncombined water is the only reason for failure to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from the sources specified in 25 Pa. Code § 123.1(a)(1)-(9) (relating to prohibition of certain fugitive emissions).

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall ensure that the total nitrogen oxides (NO_x) emissions from the facility shall not exceed 24.9 tons per year, as a twelve (12) month rolling sum.

008 [25 Pa. Code §129.14]**Open burning operations**

No person may permit the open burning of material in the Southeast Air Basin, except where the open burning operations result from:

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (b) A fire set for the purposes of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (d) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
- (e) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of the structure.
- (f) A fire set solely for recreational or ceremonial purposes.
- (g) A fire set solely for cooking food.

Fuel Restriction(s).**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only combust natural gas and diesel fuel oil (e.g., No. 2 fuel oil) on site.

Throughput Restriction(s).**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall limit the total natural gas usage to 360 million cubic feet (MMcf) per per, as a twelve (12) month rolling sum.
- (b) The permittee shall limit the total diesel fuel oil (e.g., No. 2 fuel oil) usage to 34,950 gallons per year, as a twelve (12) month rolling sum.

**SECTION C. Site Level Requirements****II. TESTING REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall submit one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) to both the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office (mail and email addresses are provided below). Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

(b) The following pertinent information shall be listed on the title page.

1. Test Date(s)

a. For protocols, provide the proposed date on which testing will commence or "TBD"

b. For reports, provide the first and last day of testing

2. Facility Identification Number (Facility - ID): For test programs that were conducted under a multi-site protocol, also include the PF Id under which the protocol was stored in PSIMS, as indicated in the protocol response letter.

3. Source ID(s) for the applicable source(s) and air pollution control device(s): The term Source ID is used in the permit but "Other Id" is used in DEP electronic systems. They are the same number and must also be listed for control equipment

4. Testing Requirements (all that apply)

a. Plan approval number(s)

b. Operating permit number

c. Applicable federal subpart(s) (i.e. 40 CFR 60, Subpart JJJJ)

d. Special purpose(s) (Consent Order, RFD, RACT II, Tier II, etc.)

(c) Mail all paper submissions to both the PSIMS Administrator and the Air Quality Program Manager for the Southeast Regional Office. Mailing addresses are provided below.

Central Office
 Pennsylvania Department of Environmental Protection
 Attn: PSIMS Administrator
 P.O. Box 8468
 Harrisburg, PA 17105-8468

Southeast Region
 Pennsylvania Department of Environmental Protection
 Attn: Air Quality Program Manager
 2 East Main Street
 Norristown, PA 19401

(d) Eliminate shading, color ink for data emphasis, small font size, and color saturation as the scanning to create an electronic file is done in black and white. Shading and color emphasis do not scan well and make the electronic copies difficult to read.

(e) Email all electronic submissions to both the PSIMS Administrator in Central Office and the Air Quality Program Manager for the Southeast Regional Office. Email addresses are provided below.

Central Office
 RA-EPstacktesting@pa.gov

Southeast Region
 RA-EPSEstacktesting@pa.gov

**SECTION C. Site Level Requirements**

(f) The Department limits emails to 15 MB and PSIMS has a file size limitation of 100 MB for electronic files. Submit just one electronic file (convert any Microsoft Word or Excel files to an Adobe PDF format and combine them with the report or protocol), unless the submission contains CONFIDENTIAL information.

(g) If confidential information must be submitted, submit both a public copy, which has been redacted, and a confidential copy. The cover page of each submittal should state whether it is a "Public Copy" or "Confidential Copy" and each page of the latter must be marked "CONFIDENTIAL".

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A, of this Permit, may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).

(b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139 and the most current version of the DEP Source Testing Manual, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.**# 013 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements.
- (b) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.
- (c) As an alternative to paragraph (b), the permittee may use qualified plant personnel to observe such visible emissions. The permittee shall report each incident to the Department within four (4) hours of the occurrence and arrange for a certified observer to read the visible emissions.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall monitor the total nitrogen oxide (NO_x) emissions from the facility on a monthly basis and as a twelve (12) month rolling sum.

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall monitor the total usage of natural gas and diesel fuel oil (e.g., No.2 fuel oil) on a monthly basis and as a twelve (12) month rolling sum.

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

- (a) The permittee shall monitor the facility, once per operating day, for the following:
 - (1) Odors, which may be objectionable (as per 25 Pa. Code §123.31).
 - (2) Visible Emissions (as per 25 Pa. Code §§ 123.41 and 123.42).
 - (3) Fugitive Particulate Matter (as per 25 Pa. Code §§ 123.1 and 123.2).
- (b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:
 - (1) Be investigated;
 - (2) Be reported to the facility management, or individual(s) designated by the permittee;

**SECTION C. Site Level Requirements**

- (3) Have appropriate corrective action taken (for emissions that originate on-site); and
- (4) Be recorded in a permanent written log.

(c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly for the next six (6) month period.

(d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification, complaints, monitoring results, and/or Department findings.

IV. RECORDKEEPING REQUIREMENTS.**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of the total usage of natural gas and diesel fuel oil (e.g., No. 2 fuel oil) on a monthly basis and as a twelve (12) month rolling sum.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain a record of all monitoring of fugitive emissions, visible emissions and odors, including those that deviate from the conditions found in this permit. The record of deviations shall contain, at a minimum, the following items:

- (a) date, time, and location of the incident(s);
- (b) the cause of the event; and
- (c) the corrective action taken, if necessary, to abate the situation and prevent future occurrences.

The permittee may maintain these records electronically in a format approved by the Department.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall calculate and maintain records of the total NOx emissions from the facility, on a monthly basis and as a twelve (12) month rolling sum.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of all the facility's increases of emissions from the following categories:

- (a) emissions increase of minor significance without notification to the Department.
- (b) de minimis increases with notification to the Department, via letter.
- (c) increases resulting from a Request for Determination (RFD) to the Department.
- (d) increases resulting from the issuance of a plan approval and subsequent operating permit.

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain listings of all emergency generators, boilers, furnaces, space heaters and water heaters, on site, which must be updated whenever there is a change in the source inventory.

V. REPORTING REQUIREMENTS.**# 022 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall, within two (2) hours of discovery of any occurrence, notify the Department, at (484) 250-5920, of any malfunction of the source(s) or associated air cleaning device(s) listed in Section A, of this permit, which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit, or of a regulation contained or in 25 Pa. Code Article III.

SECTION C. Site Level Requirements

(b) Malfunction(s) which occur at this facility, and pose(s) an imminent danger to public health, safety, welfare and the environment, and would violate permit conditions if the source were to continue to operate after the malfunction, shall immediately be reported to the Department by telephone at the above number.

(c) A written report shall be submitted to the Department within two (2) working days following the notification of the incident, and shall describe the following:

- (1) The malfunction(s).
- (2) The emission(s).
- (3) The duration.
- (4) Any corrective action taken.

023 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 68.]

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If this facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit

**SECTION C. Site Level Requirements**

the RMP or a revised plan pursuant to 40 CFR Part 68.

024 [25 Pa. Code §135.3]**Reporting**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

If the permittee has been previously advised by the Department to submit a source report, the permittee shall submit by March 1, of each year, a source report for the preceding calendar year. The report shall include information from all previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported, including those sources listed in the Miscellaneous Section of this permit.

The permittee may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.**# 025 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in 25 Pa. Code § 123.1 shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (a) Use, where possible, of water or suitable chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (b) Application of asphalt, water, or suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

026 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall ensure that the source(s) and air pollution control device(s), listed in Section A and Section G, where applicable, of this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

027 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in Section A of this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

028 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee may not modify any source identified in Section A of this permit, prior to obtaining Department approval except those modifications authorized by Condition #013(g) of Section B, of this permit.



SECTION C. Site Level Requirements

VII. ADDITIONAL REQUIREMENTS.

029 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The provisions in this State-Only Operating Permit 15-00005 shall be construed to supersede any contrary provisions in any previous Title V Operating Permit 15-00005.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to State Only General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: 102

Source Name: EMERGENCY GENERATORS (RACT)

Source Capacity/Throughput:

N/A

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from any source in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from any source group in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that only natural gas is used as fuel for the emergency generators (Source ID: 102).

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.93(c)(5).]

The permittee shall ensure that each of the emergency generators (Source ID: 102) shall be operated less than 500 hours in a consecutive 12-month rolling period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the hours of operation for the emergency generators (Source ID: 102) on a monthly basis and as a twelve (12) month rolling sum.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate and maintain records of the NO_x emissions from the emergency generators (Source ID: 102) on a monthly basis and as a twelve (12) month rolling sum.

**SECTION D. Source Level Requirements****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall maintain records of the hours of operation for the emergency generators (Source ID: 102) on a monthly basis and as a twelve (12) month rolling sum.

(b) For each emergency generator, the permittee must specify the category of operation, such as "emergency", "nonemergency" and "maintenance and testing" and the amount of time the unit was used for each category or operation.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.93(c)(5).]

(a) The permittee shall operate and maintain the emergency generators (Source ID: 102) in accordance with manufacturers' specifications and good air pollution control practices.

(b) The permittee shall ensure that the emergency generator engines meet the definition of institutional emergency stationary RICE (reciprocating internal combustion engines) in 40 CFR § 63.6675, which includes operating according to the provisions specified in 40 CFR §63.6640(f).

VII. ADDITIONAL REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following emergency generators are included in Source ID: 102:

Location	Capacity (kW)	Manufacturer/ Model	Fuel	Installation Date
Recitation Hall	12.5	Onan 12.5/RJC	Natural Gas	1995
Ruby Jones Hall	7	Onan 7/SJB18R31	Natural Gas	1995
Sykes Student Ctr.	80	Kohler/80R282	Natural Gas	1995

**SECTION D. Source Level Requirements**

Source ID: 103A

Source Name: EMERGENCY GENERATORS (CATEGORY 4 EXEMPTION)

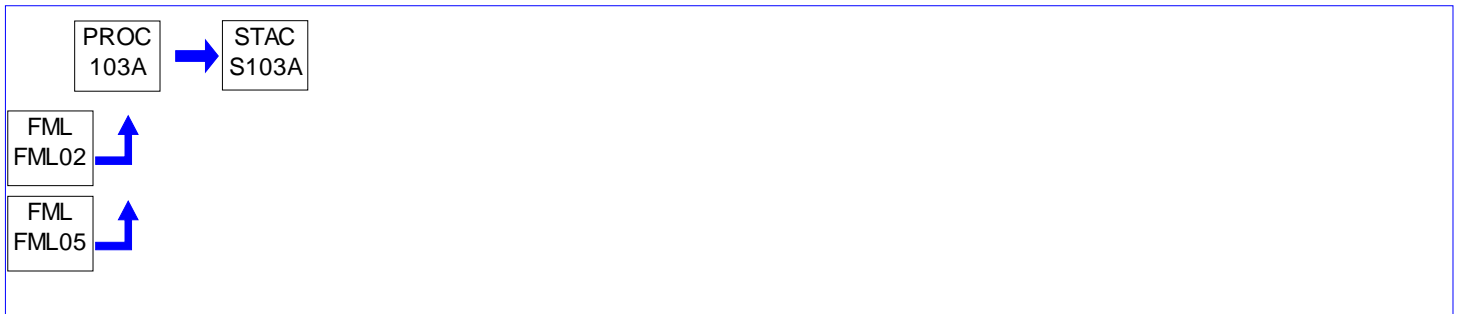
Source Capacity/Throughput:

N/A

Natural Gas

N/A

#2 Oil

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from any source in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from any source group in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the hours of operation for the emergency generators (Source ID: 103A) on a monthly basis and as a 12-month rolling sum, when operating.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the NO_x emissions from the emergency generators (Source ID: 103A), daily, monthly, and as a 12-month rolling sum, when operating.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain records of the hours of operation the emergency generators (Source ID: 103A), monthly basis and as a 12-month rolling sum.

(b) For each emergency generator, the permittee must specify the category of operation, such as "emergency", "non-emergency" and "maintenance and testing" and the amount of time the unit was used for each category or operation.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate and maintain records of the NO_x emissions from the emergency generators (Source ID: 103A)

SECTION D. Source Level Requirements

on a monthly basis and as a 12-month rolling sum.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall include the total, combined annual NOx emission estimates from the emergency generators (Source ID: 103A) in the annual emission statement as pursuant 25 Pa. Code § 135.21.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall ensure that the emergency generators (Source ID: 103A) are operated only to provide electrical power or mechanical work during an emergency situation, such as producing power for critical networks or equipment or to supply power to portions of the facility when electric power from the local utility is interrupted, or used to pump water in the case of fire or flood.

(b) The permittee shall ensure that the emergency generator engines meet the definition of institutional emergency stationary RICE (reciprocating internal combustion engines) in 40 CFR § 63.6675, which includes operating according to the provisions specified in 40 CFR §63.6640(f).

VII. ADDITIONAL REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.14(a)(8).]

The following emergency generators (Source ID: 103A) were exempted from plan approval construction and installation requirement as sources in the following classification: "(4). Internal combustion engines rated at less than 100 brake horsepower."

Location	Capacity (kW)	Manufacturer/ Model	Fuel	Installation Date
Philips	60	Onan/60 DGCB	Diesel	1999
Hollinger Field House	30	Kohler/30RZ82	Natural Gas	1997
Killinger Hall	30	Kohler/30RZ82	Natural Gas	1997
Sturtzebecker HSC	30	Kohler/30REZG	Natural Gas	2010
220 E. Rosedale	55	Kohler/50RZ282	Natural Gas	1997
Grad. Bus. Ctr.	35	Kohler/35RZ81	Natural Gas	2001
Library II	30	Onan 35EK	Natural Gas	1998

**SECTION D. Source Level Requirements**

Source ID: 103B

Source Name: EMERGENCY GENERATORS (CATEGORY 6 EXEMPTION)

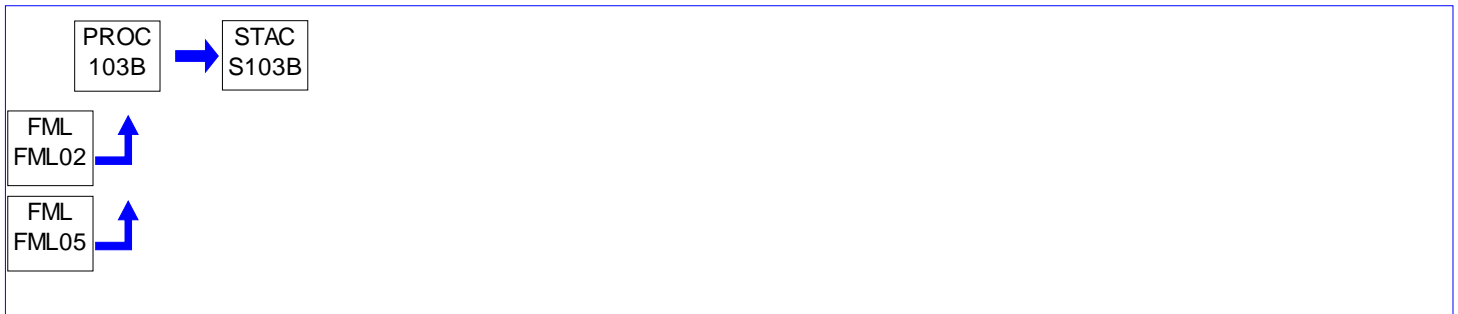
Source Capacity/Throughput:

N/A

#2 Oil

N/A

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from any source in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.31]

Limitations

No person may permit the emission into the outdoor atmosphere of sulfur oxides from any source group in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the emergency generators (Source ID: 103B) shall not exceed with the following NO_x emission limit while operating:

- (1) 100 lbs/hr
- (2) 1,000 lbs/day
- (3) 2.75 tons per ozone season
- (4) 6.6 tons per year on a twelve (12) month rolling basis

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the hours of operation for the emergency generators (Source ID: 103B) on a monthly basis and as a twelve (12) month rolling sum, when operating.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the NO_x emissions from the emergency generators (Source ID: 103B), daily, monthly, and as a twelve (12) month rolling sum, when operating.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall maintain records of the hours of operation for the emergency generators (Source ID: 103B) on a monthly basis and as a twelve (12) month rolling sum.

(b) For each emergency generator, the permittee must specify the category of operation, such as "emergency", "non-emergency" and "maintenance and testing" and the amount of time the unit was used for each category or operation.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall calculate and maintain records of the NOx emissions from the emergency generators (Source ID: 103B) on a monthly basis and as a twelve (12) month rolling sum.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall ensure that the emergency generators (Source ID: 103B) are operated only to provide electrical power or mechanical work during an emergency situation, such as producing power for critical networks or equipment or to supply power to portions of the facility when electric power from the local utility is interrupted, or used to pump water in the case of fire or flood.

(b) The permittee shall ensure that the emergency generator engines meet the definition of institutional emergency stationary RICE (reciprocating internal combustion engines) in 40 CFR § 63.6675, which includes operating according to the provisions specified in 40 CFR §63.6640(f).

VII. ADDITIONAL REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.14(a)(8).]

The following emergency generators (Source ID: 103B) were exempted from plan approval construction and installation requirement as sources in the following classification:

"(6). Internal combustion engines regardless of size, with combined actual NOx emissions less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis for all exempt engines at the site."

Location	Capacity (kW)	Manufacturer/ Model	Fuel	Installation Date
Goshen Hall	400	Generac/SD 400	Diesel	2004
Lawrence Hall	100	Kohler/100ROZJ81	Diesel	1995
Wayne Hall	230	Onan/DAFB 3388631	Diesel	2001
Schumucker Science II	500	Caterpillar/SR4B	Diesel	1999
Merion Science Ctr.	350	W.A. Kraft/350GOL	Natural Gas	1995
Swope Music Bldg./PAC	360	Detroit Diesel/S60	Diesel	2006

SECTION D. Source Level Requirements

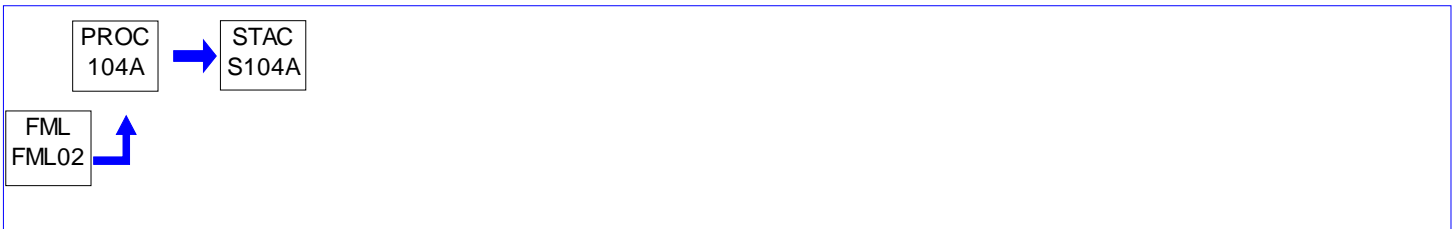
Source ID: 104A

Source Name: EMERGENCY GENERATORS (SUBPART III NSPS)

Source Capacity/Throughput:

N/A

#2 Oil

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from any source in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from any source group in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall ensure that the emergency generators (Source ID: 104A) shall exceed the following combined NO_x emission limits, while operating:

- (1) 100 lbs/hr
- (2) 1,000 lbs/day
- (3) 2.75 tons per ozone season
- (4) 6.6 tons per year on a 12-month rolling basis

Fuel Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that only diesel fuel (e.g., No. 2 fuel oil) shall be used for the emergency generators (Source ID: 104A).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall monitor the NO_x emissions from the emergency generators (Source ID: 104A) on a monthly basis and as a 12-month rolling sum.
- (b) The permittee shall monitor the hours of operation from the emergency generators (Source ID:104A) on a monthly basis.
- (c) The permittee shall monitor the sulfur content, by weight, of the as-delivered fuel.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall calculate and maintain records of the NO_x emissions from the emergency generators (Source ID:104A) on a monthly basis and as a twelve (12) month rolling sum.
- (b) The permittee shall maintain records of the hours of operation from the emergency generators (Source ID:104A) on a monthly basis.
- (c) For each emergency generator, the permittee must specify the category of operation, such as "emergency", "nonemergency" and "maintenance and testing" and the amount of time the unit was used for each category or operation.
- (d) The permittee shall obtain a delivery receipt from the fuel supplier showing the percent sulfur in the fuel, by weight, for each fuel oil delivery.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain and operate an hour meter on each of the emergency generators (Source ID: 104A).

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

- (a) The permittee shall ensure that the emergency generators (Source ID: 104A) are operated only to provide electrical power or mechanical work during an emergency situation, such as producing power for critical networks or equipment or to supply power to portions of the facility when electric power from the local utility is interrupted, or used to pump water in the case of fire or flood.
- (b) The permittee shall ensure that the emergency generators (Source ID: 103A) are operated only as follows:
- (1) There no limits on hours of operation for emergency service.
 - (2) Maintenance checks and readiness testing is limited to 100 hours per year.
 - (3) 50 hours per year is allowed for non-emergency operation. The hours of non-emergency operation are included as part of the 100 hours per year allowed for maintenance and testing.
 - (4) The emergency generators cannot be used for peak shaving or as part of financial arrangement with another entity. A total of 15 hours per year of the 50 hours per year allowed for non-emergency operation can be used for demand response in emergency situations (e.g., imminent blackout).

VII. ADDITIONAL REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following emergency generators (Source ID: 104A) were exempted from plan approval construction and installation requirement as sources in the following classification:

"Internal combustion engines regardless of size, with combined actual NO_x emissions less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis for all exempt engines at the site."

Location	Capacity	Manufacturer/ Model	Fuel	Installation
----------	----------	---------------------	------	--------------

**SECTION D. Source Level Requirements**

	(kW)			Date						
25 University Ave.	200	Detroit Diesel/GM47620-KPS	Diesel	2008						
Allegheny Hall	200	Cummins/QLS9-G2/DSHAC	Diesel	2009						
E.O. Bull Telecom	150	Cummins/DSGAC-5268144	Diesel	2010						
Student Rec. Ctr.	250	Kohler 250/REOZJE	Diesel	2013						
BP/MC	400	Generac/SD400KG	Diesel	2016						
E.O Bull	20	Cummins 150/DSKBA-6802742	Diesel	2016						
<p># 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200] Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines Am I subject to this subpart?</p> <p>(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 60.4211(f).</p> <p>(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart III and must meet all requirements for non-emergency engines.</p>										
<p># 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202] Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?</p> <p>(a) The owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR § 80.510(b) for nonroad (NR) diesel fuel, except that any existing diesel fuel purchased or otherwise obtained prior to October 1, 2010, may be used until depleted.</p> <p>(b) As pursuant 40 CFR § 80.510(b), all non-road (NR) diesel fuel is subject to the following per-gallon standards:</p> <p>(1) Sulfur content of 15 ppm maximum for NR diesel fuel.</p> <p>(2) Cetane index or aromatic content, as follows:</p> <p>(i) A minimum cetane index of 40; or</p> <p>(ii) A maximum aromatic content of 35 volume percent.</p>										
<p># 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202] Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?</p> <p>Stationary CI ICE with a maximum engine power greater than or equal to 37 KW (50 HP), must comply with the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR § 89.112 for all pollutants beginning in model year 2007.</p>										
<p># 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202] Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?</p> <p>Pursuant 40 CFR § 89.112, exhaust emission from nonroad engines to which is applicable shall not exceed the following applicable exhaust emission standards from Table 1:</p> <p>Table 1. - Emissions Standards (g/kW-hr)</p> <table border="1"> <thead> <tr> <th>Rated</th> <th>Tier</th> <th>Model</th> <th>NMHC</th> <th>CO</th> <th>PM</th> </tr> </thead> </table>					Rated	Tier	Model	NMHC	CO	PM
Rated	Tier	Model	NMHC	CO	PM					

**SECTION D. Source Level Requirements**

Power (kW)	Year	+ NOx
37<kW<75	Tier 3 2008	4.7 5.0 0.40
130<kW<225	Tier 3 2006	4.0 3.5 0.20
225<kW<450	Tier 3 2006	4.0 3.5 0.20

014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?

The owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter on the engine.

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

The owner or operator of an emergency stationary ICE must operate the emergency stationary ICE according to the requirements in the following paragraphs (1) through (3). In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in the following paragraphs (1) through (3) is prohibited. If the engine is not operated according to the requirements in the following paragraphs (1) through (3), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) The emergency stationary ICE may be operated for any combination of the purposes specified in paragraph (2)(i) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (3) counts as part of the 100 hours per calendar year allowed by this paragraph (2).

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (2). Except as provided in paragraph (3)(i), the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following are met.

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

**SECTION D. Source Level Requirements**

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

**# 016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The owner or operator of an emergency stationary CI ICE with a maximum engine power more than 100 HP (75 kW) that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR § 60.4211(f)(3)(i), must submit an annual report according to the requirements in paragraphs (1) through (3).

(1) The report must contain the following information:

- (i) Company name and address where the engine is located.
- (ii) Date of the report and beginning and ending dates of the reporting period.
- (iii) Engine site rating and model year.
- (iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
- (v) Hours operated for the purposes specified in 40 CFR § 60.4211(f)(2)(iii), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR § 60.4211(f)(2)(iii).
- (vi) Number of hours the engine is contractually obligated to be available for the purposes specified in 40 CFR § 60.4211(f)(2)(ii).
- (vii) Hours spent for operation for the purposes specified in 40 CFR § 60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR § 60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(2) Annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in 40 CFR § 60.4.

**# 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

Starting with the model years in Table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

**# 018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §Subpart III for Reg 40 Part 60 Table 5]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Labeling and Recordkeeping Requirements for New Stationary Emergency**

The owner or operator must comply with the labeling requirements in 40 CFR § 60.4210(f) and the recordkeeping requirements in 40 CFR § 60.4214(b) for new emergency stationary CI ICE beginning in the following model years:

**SECTION D. Source Level Requirements**

Engine Power	Starting Model Year
19<kW<56 (25<HP<75)	2013
56<kW<130 (75<HP<175)	2012
kW> 130 (HP>175)	2011

SECTION D. Source Level Requirements

Source ID: 104B

Source Name: EMERGENCY GENERATORS (SUBPART JJJJ NSPS)

Source Capacity/Throughput:

N/A

Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from any source in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from any source group in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the none of the emergency generators (Source ID: 104B) shall exceed the following combined NO_x emission limits, while operating:

- (1) 100 lbs/hr
- (2) 1,000 lbs/day
- (3) 2.75 tons per ozone season
- (4) 6.6 tons per year on a 12-month rolling basis

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60 Subpart JJJJ Table 1] Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines Table 1 to Subpart JJJJ of Part 60.--

Table 1 to §40 CFR 60, Subpart JJJJ - NO_x, CO, AND VOC Emission Standards for Stationary Emergency Engines with maximum engine power greater than 25 HP.

Engine Type	Max. Engine Power	Manufacture Date	Emission Limits (g/hp-hr)			Emission Limits (ppmvd @15% O ₂)		
			NO _x	CO	VOC	NO _x	CO	VOC*
Emergency	25<HP<130	1/1/2009	10**	387	---	---	---	---
Emergency	HP>130	1/1/2009	2.0	4.0	1.0	160	540	86

* For purposes of this subpart, when calculating emissions of volatile organic compounds, emissions of formaldehyde should not be included.

**The emission standards applicable to emergency engines between 25 HP and 130 HP are in terms of NO_x + HC.

**SECTION D. Source Level Requirements****Fuel Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that only natural gas shall be used for the emergency generators (Source ID: 104B).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the NOx emissions from the emergency generators (Source ID: 104B) on a monthly basis and as a twelve (12) month rolling sum.

IV. RECORDKEEPING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall calculate and maintain records of the NOx emissions from the emergency generators (Source ID:104B) on a monthly basis and as a twelve (12) month rolling sum.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

For each emergency generator, the permittee must specify the category of operation, such as "emergency", "non-emergency" and "maintenance and testing" and the amount of time the unit was used for each category or operation.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain and operate an hour meter on each of the emergency generators (Source ID: 104B).

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall ensure that the emergency generators (Source ID: 104B) are operated only to provide electrical power or mechanical work during an emergency situation, such as producing power for critical networks or equipment or to supply power to portions of the facility when electric power from the local utility is interrupted, or used to pump water in the case of fire or flood.

(b) The permittee shall ensure that the emergency generators (Source ID: 104B) are operated only as follows:

(1) There no limits on hours of operation for emergency service.

(2) Maintenance checks and readiness testing is limited to 100 hours per year.

(3) 50 hours per year is allowed for non-emergency operation. The hours of non-emergency operation are included as part of the 100 hours per year allowed for maintenance and testing.

**SECTION D. Source Level Requirements**

(4) The emergency generators cannot be used for peak shaving or as part of financial arrangement with another entity. A total of 15 hours per year of the 50 hours per year allowed for non-emergency operation can be used for demand response in emergency situations (e.g., imminent blackout).

VII. ADDITIONAL REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following emergency generators (Source ID: 104B) were exempted from plan approval construction and installation requirement as sources in the following classification:

"Internal combustion engines regardless of size, with combined actual NOx emissions less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis for all exempt engines at the site."

Location	Capacity (kW)	Manufacturer/ Model	Fuel	Installation Date
Main Hall	30	Cummins/RS30, C30G	Natural Gas	2018
Schmidt Hall	250	Cummins/C250N6	Natural Gas	2017
Anderson Hall	60	Generac/SGG060	Natural Gas	2018
Peoples Bldg.	125	Kohler/125REZGC	Natural Gas	2015
College Arms	40	MTU/6V0072 GS40	Natural Gas	2014
New Street Garage	100	Kohler/100 REZGD	Natural Gas	2013

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****Am I subject to this subpart?**

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

(1) Stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured on or after January 1, 2009, for emergency engines with a maximum engine power greater than 19 KW (25 HP).

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****Am I subject to this subpart?**

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 60.4243(d).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4243(d), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart JJJJ and must meet all requirements for non-emergency engines.

014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?**

Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) must comply with the emission standards in Table 1.

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?**

Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.

SECTION D. Source Level Requirements

**# 016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4237]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?**

(b) The owner or operator of an emergency stationary SI internal combustion engine that is greater than or equal to 130 HP (97 kW) and less than 500 HP (373 kW) that was built on or after January 1, 2011, that does not meet the standards applicable to non-emergency engines, must install a non-resettable hour meter.

(c) The owner or operator of an emergency stationary SI internal combustion engine that is less than 130 HP, was built on or after July 1, 2008, that does not meet the standards applicable to non-emergency engines, must install a non-resettable hour meter upon startup of your emergency engine.

**# 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 60.4243(d).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4243(d), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart JJJJ and must meet all requirements for non-emergency engines.

**# 018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

The owners and operators of stationary SI ICE must keep records of the following:

(a) All notifications submitted to comply with 40 CFR 60, Subpart JJJJ and all documentation supporting any notification.

(b) Maintenance conducted on the engine.

(c) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR §§ 90, 1048, 1054, and 1060, as applicable.

(d) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to 40 CFR § 60.4243(a)(2), documentation that the engine meets the emission standards.



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

Source Id	Source Descriptor		
102	EMERGENCY GENERATORS (RACT)		
Emission Limit			
500.000	gr/DRY FT3	dry basis	SOX
0.040	gr/DRY FT3	dry basis	TSP
103A	EMERGENCY GENERATORS (CATEGORY 4 EXEMPTION)		
Emission Limit			
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3	particulate matter	TSP
103B	EMERGENCY GENERATORS (CATEGORY 6 EXEMPTION)		
Emission Limit			
2.750	Tons/OZNESEAS		NOX
6.600	Tons/Yr	12-month rolling basis	NOX
100.000	Lbs/Hr		NOX
1,000.000	Lbs/Day		NOX
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3	particulate matter	TSP
104A	EMERGENCY GENERATORS (SUBPART IIII NSPS)		
Emission Limit			
2.750	Tons/OZNESEAS		NOX
6.600	Tons/Yr	12-month rolling sum	NOX
100.000	Lbs/Hr		NOX
1,000.000	Lbs/Day		NOX
500.000	PPMV/PPM	dry basis	SOX
0.040	gr/DRY FT3	particulate matter	TSP
104B	EMERGENCY GENERATORS (SUBPART JJJJ NSPS)		
Emission Limit			
2.750	Tons/OZNESEAS		NOX
6.600	Tons/Yr	12-month rolling sum	NOX
100.000	Lbs/Hr		NOX
1,000.000	Lbs/Day		NOX
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3	particulate matter	TSP

Site Emission Restriction Summary

Emission Limit			Pollutant
24.900	Tons/Yr	12-month rolling sum	NOX



SECTION F. Emission Restriction Summary.

**SECTION G. Miscellaneous.**

(a) The following previously-issued Operating Permit serves as a basis for certain terms and conditions in this Title V Operating Permit:

(1) Operating Permit No. 15-0005 (Facility NOx Sources).

(b) WCU is required to include emission estimates from all sources listed in Section G (Miscellaneous) as part of its annual emission statement.

(c) (Emergency Generators (10-500 kW capacity) (was Source ID: 101) is comprised of the following sources:

Location	Capacity (kW)	Manufacturer/ Model	Fuel
Goshen Hall	400	Generac SD 400	Diesel
Allegheny Hall	200	Cummins QSL9-G2 DSHAG	Diesel
E.O. Bull IT Ctr.	150	Cummins 150 DSGAC	Diesel
Student Rec. Ctr.	250	Kohler 250 REOZJE	Diesel
Schmidt Hall	400	Generac SD 400	Diesel
Lawrence Hall	100	Kohler 100ROZJ181	Diesel
Wayne Hall	230	Onan DFAB-3388631	Diesel
Schmucker Science II	500	Caterpillar SR4B	Diesel
Boiler Plant	175	Caterpillar SR4B-3406	Diesel
Philips Hall	60	Onan 60 DGCB	Diesel
Swope Music Bldg./PAC	360	Detroit Diesel S60	Diesel
25 University Ave.	200	Detroit Diesel GM47620-KPS	Diesel

(1) The sources located between Sanderson and Schmidt Hall and at Goshen Hall was previously exempted per RFD No. 15-A01-928.

(d) Emergency Generators (7-350 kW Capacity) (was Source ID: 102) is comprised of the following sources:

Location	Capacity (kW)	Manufacturer/ Model	Fuel
Hollinger Field House	30	Kohler 30RZ82	Natural Gas
Recitation Hall	12.5	Onan 12.5 RJC	Natural Gas
Ruby Jones Hall	7	Onan 7 SJB18R31	Natural Gas
Sykes Student Union	80	Kohler 80R282	Natural Gas
Anderson Hall	10	Kohler 10R261	Natural Gas
Killinger Hall	30	Kohler 30RZ82	Natural Gas
Sturzebecker HSC	30	Kohler 30RZ82	Natural Gas
Boucher Hall	350	W.A. Kraft 350GOL	Natural Gas
Main Hall	25	Kohler 30R82	Natural Gas
220 E. Rosedale	55	Kohler 50RZ282	Natural Gas
E.O. Bull IT Ctr.	130	Generac SG135	Natural Gas
Graduate Bus. Ctr.	35	Kohler 35RZ81	Natural Gas
Library II	35	Onan 35EK	Natural Gas

(1) The source located at E.O. Bull Ctr. was previously exempted per RFD No. 15-A01-928.

(2) The sources located at the Hollinger Field House, Ruby Jones Hall, and the Student Union were previously exempted per RFD No. 15-A01-886.

(e) The following sources have been determined by the Department to be insignificant sources of air emissions, and therefore do not require additional limitations, monitoring, or recordkeeping. They are still subject to any applicable Federal, State, and Local regulations that may apply, including the Site Level Requirements (Section C) of this permit and the emission inventory reporting requirements (25 Pa. Code Chapter 135).

**SECTION G. Miscellaneous.**

(1) 60 Water Boilers (rated heat input capacities 0.16 - 4.47 MMBTU range) (was Source ID: 035), which is comprised of the following combustion sources (e.g., hot water heaters), has been removed from Section A and D and placed in Section G as miscellaneous sources per 25 Pa. Code Section 127.14(a):

Location	Capacity (MMBtu/HR)	Manufacturer/ Model	Fuel
Killinger Hall	0.9	Thermic N-900	Natural Gas
Killinger Hall	1.50	Benchmark 1.5	Natural Gas
Killinger Hall	1.50	Benchmark 1.5	Natural Gas
Hollinger Pool	0.75	Lochinvar	Natural Gas
Ehinger Gym	0.75	Lochinvar	Natural Gas
Ehinger Gym	0.75	Lochinvar	Natural Gas
Schmucker Science South	0.52	AJAX Boiler WFG1050	Natural Gas
Schmucker Science South	0.40	AO Smith BTP 140-400	Natural Gas
Schmucker Science South	0.19	AO Smith/BTP-150	Natural Gas
Schmucker Science North	0.85	AO Smith	Natural Gas
Schmucker Science North	0.85	AO Smith	Natural Gas
Schmidt Hall	1.2	Therific N-1200	Natural Gas
Lawrence Hall	4.47	Weil McLain/1488	Natural Gas
Wayne Hall	1.2	Therific N-1200	Natural Gas
Tyson Hall	3.0	Benchmark 3.0	Natural Gas
Tyson Hall	3.0	Benchmark 3.0	Natural Gas
Tyson Hall	1.5	Thermal Station/122660	
Tyson Hall	1.5	Thermal Station/122660	
Goshen Hall	3.0	Benchmark 3.0	Natural Gas
Goshen Hall	3.0	Benchmark 3.0	Natural Gas
Goshen Hall	1.9	Therific N-1900	Natural Gas
Library II	0.24	AO Smith BTC 240A	Natural Gas
E.O. Bull	0.38	Smith 19HE-S/W-03	Natural Gas
E.O. Bull	0.30	AO Smith BTH-300A-100	Natural Gas
Alumni House	0.24	Peerless WV-05-WPLTL	Fuel Oil
College Arms Apts.	0.20	AO Smith HW-200M 102	Natural Gas
College Arms Apts	0.20	Burnham 207NI-T2	Natural Gas
College Arms Apts.	0.20	Bradford White D80T 1993N	Natural Gas
College Arms Apts.	0.26	Lochnivar CBN260	Natural Gas
College Arms Apts.	0.98	Lochnivar CBN0987	Natural Gas
College Arms Apts.	0.98	Lochnivar CBN0987	Natural Gas
College Arms Apts.	0.16	Bradford White D38T1553N	Natural Gas
Sykes Student Union	1.4	AO Smith	Natural Gas
Philips Hall	1.9	Bradford WhiteHydojet 2	Natural Gas
220 E. Rosedale	0.6	Hydro Therm	Natural Gas
220 E. Rosedale	0.6	Hydro Therm	Natural Gas
Sturzebecker HSC	0.45	Kargard	Natural Gas
Sturzebecker HSC	0.45	Kargard	Natural Gas
Sturzebecker HSC	1.0	Patterson Kelly	Natural Gas
Sturzebecker HSC	1.8	Bryan Boiler	Natural Gas
Sturzebecker HSC	1.8	Bryan Boiler	Natural Gas
Sturzebecker HSC	1.8	Bryan Boiler	Natural Gas
Sturzebecker HSC	1.8	Bryan Boiler	Natural Gas
Sturzebecker HSC	1.6	RayPak	Natural Gas
Sturzebecker HSC	1.6	RayPak	Natural Gas
Sturzebecker HSC	1.2	RayPak	Natural Gas
Swope Music Bldg./PAC	3.3	CB-200-100-125	Natural Gas
Swope Music Bldg./PAC	3.3	CB-200-100-125	Natural Gas
Swope Music Bldg./PAC	0.4	Maxim	Natural Gas
Swope Music Bldg./PAC	0.4	Maxim	Natural Gas
Lawrence Hall	0.75	Lochinvar Power Fin.	Natural Gas
Lawrence Hall Addition	0.15	AO Smith	Natural Gas

**SECTION G. Miscellaneous.**

624 High Street	0.299	Weil McLain Ultra Series 3-ue	Natural Gas
703 High St. (Bale House)	0.065	Bradford White	Natural Gas
Warehouse	0.25	Reznor	Natural Gas
McKelvie Hall	0.65	State	Natural Gas
Lawrence Hall	0.19	Noritz	Natural Gas
210 E. Rosedale	0.65	Noritz	Natural Gas
Merion Sci. Ctr.	1.35	Aerco/INN1350	Natural Gas
Merion Sci. Ctr.	1.35	Aerco/INN1350	Natural Gas
Peoples Bldg.	0.20	LAAR LUHE100199E3NA	Natural Gas

(i) The sources located in the Swope Music Bldg./PAC was previously exempted per RFD No. 15-A01-1022 .

(ii) The sources located at South Schmucker Science Ctr., with rated capacities of 0.40 and 0.19 MMBTU/hr, were previously exempted per RFD No. 15-A01-989.

(iii) The source located at North Schmucker Science Ctr. was previously exempted per RFD No. 15-A01-931.

(iv) The source located at Main Hall was previously exempted per RFD No. 15-A01-961.

(v) The sources located on the roof of the Sturzebecker HSC, with rated capacity between 1.2 to 1.8 MMBTU/hr, were previously exempt per RFD No. 15-A01-900.

(vi) The sources located at Lawrence Hall, with rated capacities of 0.75 and 0.15 MMBTU/hr, were previously exempted per RFD No. 15-A01-1044.

(2) 3 Water Boilers: 0.65-0.75 MMBTU/hr (was Source ID: 037), is comprised of the following combustion sources, has been removed from Section A and D and placed in Section G as miscellaneous sources per 25 Pa. Code Section 127.14(a):

Location	Capacity (MMBtu/hr)	Manufacturer	Fuel
850 South New St.	0.75	Burnham	Fuel Oil
114 West Rosedale	0.75	Colombia	Fuel Oil
McCoy Farm House	0.75	York	Fuel Oil

(f) The following sources or classes of sources have also been exempted from the plan approval and permit monitoring, reporting and recordkeeping requirements of 25 Pa. Code Chapter 127. WCU is required to include emission estimates from these sources as part of its annual emission statement.

(1) Space Heaters (ceiling mounted units in work areas at the facility)

Location	Capacity (MMBtu/hr)	Manufacturer/ Model	Fuel
Warehouse	0.15	MicroAir MT 1251	Natural Gas
Warehouse	0.06 x 4 = 0.24	Reznor UDAP60	Natural Gas
Warehouse	0.3 x 3 = 0.9	Reznor XL300	Natural Gas
Sturzebecker HSC	0.427 x 6 = 2.562	Hastings CF 100 55G21	Natural Gas
887 Matlack St.	0.105 x 4 = 0.42	4-Reznor UDAP100	Natural Gas
201 Carter Drive	0.3 x 6 = 1.8	6- Reznor XL300	Natural Gas

(2) Residential Type Hot Air Furnaces

Location	Capacity (MMBtu/hr)	Manufacturer/ Model	Fuel
13/15 University Ave.	0.12	Carrier 58MXB120-F-11120	Natural Gas
13/15 University Ave.	0.12	Int. Comfort G9MVT1202422	Natural Gas
703 High Street	0.065	Bradford White	Natural Gas

**SECTION G. Miscellaneous.**

McKelvie Hall	0.35	Power Flame J-15A-10	Natural Gas
Messikomer Hall	0.108	Panama GHN 115A50	Natural Gas
Messikomer Hall	0.108	Panama GHN 115A50	Natural Gas
809 Roslyn	0.14	Uni Ceil OBUA 112-D3.53	Diesel
811 Roslyn	0.14	Uni Ceil OBUA 112-D3.53	Diesel
McCoy Barn	0.9	Unitary Products PHBX16F100	Diesel
Glen Echo	0.14	Uni Ceil OBUA 112-D3.53	Diesel
Glen Echo Carriage House	0.14	Uni Ceil OBUA 112-D3.53	Diesel
887 Matlack St.	0.2	Trane YSC090E3EHA	Natural Gas
887 Matlack St.	0.15	American Std. YSC090A3E3A3	Natural Gas
887 Matlack St.	0.13	Trane YSC060A3EH	Natural Gas
887 Matlack St.	0.09	Nordyne FG6TC-092C-VBA	Natural Gas
887 Matlack St.	0.11	Nordyne FG6TC-710C-VCA	Natural Gas
887 Matlack St.	0.05	American Std. 036F3LOBD	Natural Gas
823 High Street	0.125	Armstong LBR8A112	Diesel

(3) Miscellaneous Hydronic Boilers

Location	Capacity (MMBtu/hr)	Manufacturer/Model
Main Hall	2.0	Fulton/EDR 2000
Main Hall	2.0	Fulton/EDR 2000
Main Hall	2.0	Fulton/EDR 2000
Philips Memorial Bldg.	2.0	Fulton/EDR 2000
Philips Memorial Bldg.	2.0	Fulton/EDR 2000
Philips Memorial Bldg.	2.0	Fulton/EDR 2000
Schumaker Sci. North	3.0	AERCO/BMK3000
Schumaker Sci. North	3.0	AERCO/BMK3000
Schumaker Sci. South	3.0	AERCO/BMK3000
Schumaker Sci. South	3.0	AERCO/BMK3000
Merion Science Ctr.	2.0	AERCO/BMK2000
Merion Science Ctr.	2.0	AERCO/BMK2000
Sykes Student Union	3.0	AERCO/BMK3000
Sykes Student Union	3.0	AERCO/BMK3000
Schmidt Hall	3.0	AERCO/BMK3000
Schmidt Hall	3.0	AERCO/BMK3000
Peoples Bldg.	1.6	Buderus-Riello
Peoples Bldg.	1.6	Buderus-Riello
Lawrence Hall	2.0	Aldrich/AWV-220-G
Lawrence Hall	2.0	Aldrich/AWV-220-G
Lawrence Hall	2.0	Aldrich/AWV-220-G
Lawrence Hall	2.0	Aldrich/AWV-220-G
Lawrence Hall	2.0	Aldrich/AWV-20-G
Filano House	1.99	Weil McLain/PFG5PIDN
Reynolds Hall	0.32	Weil McLain/EGH9P1
Wayne Hall	0.60	ATH/KN-6WW
Wayne Hall	0.60	ATH/KN-6WW
Commons Bldg.	3.0	RBI Fusion XLF
Commons Bldg.	3.0	RBI Fusion XLF
Commons Bldg.	3.0	RBI Fusion XLF

(4) Miscellaneous Steam Boilers

Location	Capacity (MMBtu/hr)	Manufacturer/Model
Merion Science Ctr.	4.464	Weil McLain/1488
Merion Science Ctr.	4.464	Weil McLain/1488

**SECTION G. Miscellaneous.**

Merion Science Ctr.	4.464	Weil Mclain/1488
Speakman Bldg.	0.346	Weil Mclain/380
Recitation Hall	1.010	Weil-Mclain/488
Recitation Hall	1.010	Weil-Mclain/488
Hollinger Fieldhouse	1.701	Weil-Mclain/688
Hollinger Fieldhouse	1.701	Weil-Mclain/688

(g) The Title V Operating Permit 15-00005 (APS ID: 345583; Auth ID: 516805) has been renewed and incorporates conditions from the initial TVOP (issued 6/23/1998), as well as conditions from the previously issued operating permit OP-15-0005 and the previously issued General Plan Approval and General Operating Permit (BAQ-GPA/GP-1) No. 15-312-034GP for Boiler 5 (Source ID: 036).

(h) The Title V Operating Permit 15-00005 (APS ID: 345583; Auth ID: 696741) is being issued as a minor modification to the renewal issued under Auth ID: 516805. This Title V Operating Permit minor modification is associated with three (3) coal fired boilers (Source ID(s): 031, 033, and 034) and incorporates the applicable conditions that enforces the minor facility status for Anhydrous Hydrogen Chloride and the Combination of Hazardous Air Pollutants. [Note: The three (3) coal-fired boiler have been decommissioned as of 5/13/2014.]

(i) The Title V Operating Permit 15-00005 (APS ID: 345583, Auth ID: 780264) has been renewed.

(j) The Title V Operating Permit 15-00005 (APS ID: 345583, Auth ID: 810146) has been administratively amended in accordance to 25 Pa. Code Section 127.450 to correct typographical errors in the renewed TVOP.

(k) The following sources have been exempted from plan approval installation and operation requirement through the PA DEP online Request For Determination (RFD) system:

- (1) RFD No. 1129: diesel fuel-fired emergency generator at Allegheny Hall.
- (2) RFD No. 1882: 150-kW diesel fuel-fire generator at EO Bull IT Center.
- (3) RFD No. 2313: two (2) gas-fired, 3.0 MMBtu/hr, Low-NOx domestic water heaters at Tyson Hall.
- (4) RFD No. 3452: 250-KW emergency generator at New Student Recreation Center.
- (5) RFD No. 3640: two (2) gas-fired, 3.0 MMBtu/hr condensing domestic water heaters at Goshen Hall.
- (6) RFD No. 3644: two (2) gas-fired, 1.5 MMBtu/hr condensing domestic water heaters at Killinger Hall.
- (7) RFD No. 4337: two (2) gas-fired, 3.0-MMBtu/hr condensing boilers at Sykes Student Union.
- (8) RFD No. 4338: two (2) gas-fired, 3.0-MMBtu/hr condensing boilers at Wayne Hall.
- (9) RFD No. 4339: two (2) gas-fired, 3.0 MMBtu/hr condensing boilers at Schmidt Hall.

(l) The emergency generators listed in paragraphs (c) and (d) of this Section are now permitted sources listed in Section D, under Sources ID(s): 102, 103A, 103B, and 104.

(m) The Title V Operating Permit 15-00055 (APS ID: 345583, Auth ID: 1020388) has been renewed.

(n) The State-Only Operating Permit 15-00005 (APS ID: 345583, Auth ID: 1260120) has been issued.



***** End of Report *****

